BUSINESS NOTICES.

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No. 60 King Street, opposite the Somen's Chapel
— Allexis Fon—
The Robats Sugar Company, Hawaii,
The Haikin Sugar Company, Mani,
The Hawaiian Sugar Mills, Massi,
The Waisian Sugar Mills, Massi,
The Waisian Sugar Plantation, Oshin, and other
Sugar Planters of Waisian Sujar Plantation, Kamai,
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Office and Residence—No. 85 Fort Street, Honolulu, first house makes of the Catholic Church. At home day and night, when not professionally engaged. DILLINGHAM & CO.,

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continue the General Merchandus and Suppung sinces at the allows part, where they are prepar-to furnish the justly colaborated Kawaihas Pota-s, and such other Recruits as are required by alsoling, at the shortest indice and on the most somable terms. Firewood always on band.—S-lyō

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C. E. WILLIAMS. MANUFACTURER, IMPORTER & DEALER an on Fort Street, opposite Chase's Photograp allory. Workshop at the old stand on Rotel Street, near Fort. Orders from the other islands promptly attended to. [1y

W. BENNETT. BOOT AND SHOE MAKER, ng Street, next to the Bethel, Honolulu. [195

M. T. DONNELL. CABINET MAKER AND UPHOLSTERER. King Street, Honoluin, opposite Lewis' Cooper Ship, 41] Will buy and sell second-hand Furniture. [195 TROS. SORESSON.

TIBBETS & SORENSON. SHIP CARPENTERS & CAULKERS TIN, ZINC AND COPPER SMITHS, At D. Foster & Co's Old Stand, Near the Honolulu Iron Works.

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HYMAN BROTHERS, IMPORTERS AND WHOLESALE DEALERS In Fashionable Clothing, Hats. Caps. Roots, Shoes, and every variety of Gentlemen's Furnishing Gools. Snow's Building, Merchant Street, Honsbulg. [80-byl-

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Money and Recruits furnished to Ships on the market [19] favorable terms. [19] CHUNG HOON. Commission Merchant and General Agent,

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The best article of the kind imported. For by A.S. CLEOTHORN, Agent.



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Is prepared to execute with promptness, all work is bis line of business, such as Watch and Clock repair ing, Manufacturing Jewelry and Engraving. 1-in

GEORGE WILLIAMS,

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Continues the business on his old pian of settling with officers and seamen immediately on their shipping at his office. Having no direct or indirect connection with any outfitting establishment, and allowing no debts to be collected in his office, he hopes to give as good satisfaction in the future as he has in the past.

1-3m

PIANOS TUNED.

Instruments Tuned and Repaired, by CHARLES DERRY, at the Hawaiian Theatre.

Lessons given on the Plane & Gultar

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PIANOS and other Musical

every variety of Gentlemen's superior Furnish loods. Store in Makee's Block, Queen Street Inlu, H. I. [16-1yh]

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AGENTS-Or the Boston and H

Packet Line.

Hana Plantations.

Island Produce.

H. A. F. CARTER

HONOLULU, WEDNESDAY, AUGUST 11, 1869.

FOREIGN NOTICES. BUSINESS NOTICES.

LEON R. MEYERS & CO., CHALLAMEL & CO., IMPORTERS AND DEALERS IN WINES, IMPORTERS AND MANUFACTURERS OF

ITALIAN & AMERICAN MARBLES, Spirits, Airs, &r., No. 8, Namanu Street, opposite Merchant Street, Honodulu: 12-146 Mantels, Grates, Monuments, Headstoner, Tombs, Washstand, Bureau and Counter Tops, Billiard Beds Fire Bricks, Piaster, &c., &c., 930 Market Street, op-posite Catholic Church, San Francisco, Cal. [13-3m-D. H. HITCHCOCK, NOTARY PUBLIC,

Hile, Hawaii. SEVERANCE, CLARK & CO., A. S. CLEGHORN, WHOLESALE AND RETAIL DEALER COMMISSION MERCHANTS WHOLESALE AND
In Merchandise, Fire-proof Store, corner of Queen
and Kaahmuxun Streets. Betail Establishments, on
Nemanu Street, and on the corner of Fort and Biotel
Streets. 14-1y5 AND SHIPPING AGENTS.

405 Front St, corner of Clay, San Francisco We will attend to the sale of Segar and all kinds of Island Produce, also to the purchasing and for-warding of Merchandise. Oash Advances made on Consignments. King Street, between Duffin's Market, and Campbell's Tailor Shop. 14-1y5 JOHN M'CHAKEN,

M'CRAKEN, MERRILL & CO., FORWARDING AND COMMISSION MERCHANTS COMMISSION MERCHANTS. Portland, Oregon.

Having been engaged in our present business for possible of twelve years, and being located in a Fireword Brick Bubling, we are prepared to receive and logous of Island Staples, such as Sagar, Syrup, Rica un, Coffee, etc., to advantage. Consignments escalely solicited for the Oregon Market, to which resemble attention will be paid, and upon which cash frontees will be made when required.

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San Prancisco.** AGENTS-For the Makee, Walluku and AGENTS-For the Purchase and Sale of

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E. M. VAN REED, COMMISSION MERCHANT. Kanagawa, Japan,

Having the best facilities through an infimate con-nection with the Japanese trade for the past eight years, is propared to fransact any business entrusted to his cure, with dispatch. II-Lyn

R. E. WILLIAMS, H. P. SLANCHARD, C. B. MORGAN. WILLIAMS, BLANCHARD & CO .. SHIPPING & COMMISSION MERCHANTS, 4 305 Front Street, San Francisco. [fim

LANGLEY, CROWELL & CO., WHOLESALE DRUGGISTS, [60] Cor. Battery & Clay Sts. San Francisco. [600 AMERICAN EXCHANCE

HOTEL, Sansome Street, San Francisco, Extending from Sacramento St. to Halleck Street,

AVING BEEN RECENTLY REN-Notary Public and Commissioner of Deeds ted and newly Furnished, makes it the t, economical and conflorable FAMILY the State. Being contrally located, it of indocement for Business Men and the Pub-For the State of California. Office at the Bank of Bishop a Co., Kashumann Street, Honebulu. [2-135 lie generally.

The Tables will be constantly supplied with every luxury the market affords. The American Exchange Coach, with Red Lights, will be at the Wharves and Depots, to convey passengers to the Hotel free.

TimoThy SARGENT, Prop's.

INSURANCE NOTICES.

SAN FRANCISCO BOARD OF UNDERWRITERS.

He is prepared to attend to all work in his line at the Shop next to the Custom House, where he can be found at all working hours. He has on hand and for eat, oli Casks and Barrels of different sizes, new and old, which he will sell at the very Lowest Market Rates. All work done in a thorough manner and warmined to give satisfaction. All kieds of Coopering Materials and Tools for sale.

1-hm THE UNDERSIGNED having been California Insurance Company, F. H. & G. SEGELKEN,

Merchants' Mutual Marine Ins. Co., Pacific Insurance Company, Home Mutual Insurance Company.

Beg leave to inform Masters of Vessels and the pub-lic generally, that all Vessels and Cargoes, insured by either of the above Companies, against perils of the seas and other risks, at or near the Sandwich Lindson the season of the conflict by them. CALIFORNIA

INSURANCE COMPANY.

Stap-cocks, India Rabber Hose-best 3-ply, in lengths of 25 and 55 feet, with couplings and pipe complete. Bath-Tubs, and also a very large stock of Tinware of every description. Particular attention given to Ship-Work. Orders from the other Islands will be carriedly attended to. Thankful to the Citizens of Honolulu and the Islands generally for their liberal patronage in the past, we hope by strict attention to business to marit the same for the future.

27-135 THE UNDERSIGNED, AGENTS of in the above Company, have been authorized to insure risks on Cargo, Freight and Treas-ure, by Consters, from Honsiniu to all ports of the Hawaiian Group and viscossimila to all ports of At the Old Stand, corner King & Bethel Sts. alian Group, and vice versa.

H. HACKFELD & CO.

A Large Stock of Oil Smoks and all kinds of Coopering Materials constantly an hand. He hopes by attention to lustiness to meet a continuance of the patronage which he has heretoffer enjoyed, and for which he now returns his thanks.

Of Sam Francisco. Of San Francisco.

THE UNDERSIGNED having been appointed Agents for the above Company are prepared to issue Policies on Cargoce, Preights and Treasure.

WALKER & ALLEN, 1-3m Agents, Honolulu. GENERAL BLACKSMITH. Has constantly on hand and for sale at the Lowest Market Prices, a good assortment of the Best Refined Bar Iron, and the Best Blacksmith's Coal. 38-1yō

CALIFORNIA INSURANCE COMPANY. THE UNDERSIGNED, AGENTS OF the above Company, have been anthorized to insure risks on Cargo, Freight and Treas-ure, from Honolulu to all ports of the world, and

COPPER AND TIN SMITHS, Beg leave to inform the public that they are pre-pared to furnish all kinds of Copper Work, such as Stills, Strike Pane, Sorzhuin Pane, Worms, Punnya, etc. Also on hand, a full assortment of Tin Ware, which we offer fir sale at the Lowest Market Prices. All kinds of Repairing done with Neatness and Dispatch. Orders from the other Islands will neet with prompt attention. 18-1y H. HACKFELD & CO. HAMBURGH-BREMEN

FIRE INSURANCE COMPANY. THE UNDERSIGNED having been

2 appointed Agents of the above Company, are prepared to insure risks against Fire, on Stone and Brick Buildings, and on Merchandise stored therein, on the most favorable terms. For particulars service at the officer of stored therein, on the most favorable terms, pur particulars apply at the office of 5-ly5 F. A. SCHAEFER & OC. King St. two doors west of Castle & Cooke's. Has on hand, Bath-Tubs, Water-Closets, Wash-Ba-sins, Force and Lift Pumps, Lead and Galvanized Iron Pipes, and Plumber's Brass-works. Being the only Plumber in the city, he will excent all orders an-trusted to him in a workmanlike manner. [1-3m] Insurance Notice.

THE AGENT FOR THE BRITISH nourance between Honolulu and Ports in the Pacific, and is now prepared to issue Policies at the Lewest Kates, with aspecial reduction on Freight per Steamers.

THEO. H. DAVIPS.
43-41 Agent Brit. For. Mar. But. Co. (Limited)

House, Sign & Ship Painters, King Street, near a Graining, Galectoining, Graining, Marbling, Gilding, Calectoining, Paper-hanging, &c., &c., executed on the shortest notice, and on the most reasonable shortest notice, and the most reasonable shortest notice, and the most reasonable shortest notice King Street, near Nunanu.

DICKSON & BOLSTER.

H. TREMPER. Piano-Forte Maker & Tuner, Has Returned Again.

All orders left at the Drug Store of J. M. Smith & Co., corner of Fort and Hotel Streets, or at Wm. Fischer's Furniture Rooms, Hotel Street, will meet with immediate attention.

Sole and Saddle Leather, Tanned Goat and Sheep Skins, CONSTANTLY ON HAND and for Sale, from the well-known LATE TELEGRAMS.

LONDON, July 17th.-The debate on the

London, July 17th.—The debate on the Church Bill was continued till a late bour this morning. Disraell regretted the course of the Government on the amendments, intimating that an agreement had been violated. Gladstone replied that if any harm had been done, it came from the other side; all the pledges had been more than fulfilled. Gathorp Hardy thought the House of Lords had been unworthily treated by the House of Commons. Bright responded that a Committee had been appointed to frame reasons for the disagreement with the Lords.

The bill for the Government to purchase the telegraph lines in the Kingdom was read a second time.

Loxbox, July 17th.—The debate on the amended Irish Church Bill was continued in the House of Commons until a late hour this morning. After the rejection of the amendments proposed by the Peers, Disraeli took the floor and spoke at some length; he regretted the repudintion of the amendments adopted by the Lords; the agreement of the Lords to send the bill a second time was an act of malignancy; considering the majority unfavorable to the measure, the agreement was only given under the understanding that the Commons would consider the amendment in a conciliatory spirit; he could not understand how the cobrse the Government land taken could be reconciled to the expectations held out to the House of Lords.

Gladstone replied, and sald the promise given to the House of Lords was that the

Gladstone replied, and said the promise given to the House of Lords was that the amendment would be respectfully considered. He maintained that the piedge had not been violated, and that he had conceded much in deference to the Lords; he had fulfilled more than fulfilled—the pledge he had given.
[Great cheering.] He was certain that if any harm had been done to the Church, it was by

harm had been done to the Church, it was by
those who desired the grievous and enervating effect the disstablishment would have.
Gathorpe Hardy took the floor, and accepted the appeal made to posterity in regard to
the beneficial effects of the bill. He supported Disraell's statements, that John Bright
bad used threats of the dissolution of Parliament to keep the party together, and coerce
them. The House of Lords—a co-ordinate
authority—thought they had been treated in
an unworthy manner.

authority—thought they can been treated in an unworthy manner.

Mr. Bright denied that he had ever used threats. The only reference to the subject was as to what might be the expression of popular opinion if the subject of concurrent indorsement were referred to the nation. He regretted this charge which was brought forward but which the great majority of the rward, but which the great insjority of the ouse disbelieved.

House disbelieved.

LONDON, July 17th.—It is said that the Lords will give up their amendment to the Irish Church Bill in regard to the concurrent endowment and Ulster grants, but will adhere to the amendments refusing to devote the surplus proceeds of the Church property to the relief of those suffering from unavoidable calamity, as proposed in the original preamble, and deferring the appropriation of the funds.

LONDON, June 17th.-The public news LONDON, June 17th.—The public newspapers say new that it is certain that the
new Ministry will be as follows: Minister of
the Interior, De Forcade Roquette; Minister
of Justice, Duvergler; Minister of Foreign
Affairs, Anvogue; Minister of Finance, Pierre
Magne; Minister of Commerce, Alfred Decroix; Minister of Public Works, Grecoir;
Minister of Marine, Admiral Genternilly;
Minister of War, Marshal Nell, Rouher will
be President of the Senate. be President of the Senate.

Rillieux's Sugar Apparatus.

NEW ORLEANS, Feb'y 1, 1848. New Orlleans, Feby I, 1848.

Sire—As the subject of the enclosed is of such great interest to our State, I do not deem it necessary to offer any apology in presenting it to you for your consideration.

I applied to Mr. Rillieux, as the person best qualified, by his known talents as an engineer, and experience in sugar making, for information on the subject, and I feel assured that his letter and tables will be found well worthy of the cureful attention of our enterprising planters. I have other comfound well worthy of the careful attention of our enterprising planters. I have other com-munications on this subject, but as his letters and tables are so full and complete. I think it only necessary to refer to the comments of Mr. W. Ellhu Thompson, engineer, who took off the last two crops of Messrs. Armant and Brothers, with a "24,000 pound N. Rillieux four-pan Apparatus." He says that they have run it at the rate of 32,000 pounds in have run it at the rate of \$2,000 pounds in twenty-four hours, with perfect case, and, that on a trial made in presence of Mr. Val-cour Aime's engineer, and others, on the 5th of January last, they proved by actual meas-urement, that the consumption of wood was of January last, they proved by actual measurement, that the consumption of wood was but one-half cord per 1000 pounds of sugar. Mr. C. G. Allen, the engineer who took off the last two crops for Mr. Camille Zeringue, with a "9000 pound N. Rillieux three-pan Apparatus," says, that they made 21,000 hs. first sugars, and 3500 hs. second sugars in forty-eight hours. Mr. Lesseps' "12,000 pound N. Rillieux three-pan Apparatus" has made 16,000 hs. first sugars, and 6000 hs. molasses sugars in twenty-four hours. And similar results have been produced with other of these Apparatus.

similar results have been produced with other of these Apparatus.

Professor McCullob—who was appointed by Act of Congress, 3d March, 1548, to investigate the different methods of sugar-making in the West India Islands and in this State—in his report to Congress on the 1st of March, 1847, remarks on the process of N. Rillieux: "The use of the latent heat of the vapor from one portion of syrup, for the evaporation of another portion, has been accomplished far more perfectly and fully by an Apparatus invented by N. Rillieux, of New Orleans, than by the system of M. Derosne. This Apparatus has also the merit of being simple, and therefore, the more easily constructatus invented by N. Rillieux, of New Orleans, than by the system of M. Derosne. This Apparatus has also the merit of being simple, and therefore, the more easily constructed or repaired; so that it is less liable to derangement, and less expensive. It may now be considered as fully tested, and as perfectly successful, so that it may be adopted with entire security and certainty of results." He also adds: "When in Louisiana, I visited the plannation of Messra. Benjamin & Packwood, at their invitation, and carefully examined the Apparatus of M. Rillieux, constructed for them by Messra. Merrick and Towne. From what I learn from these listelligent gentlemen, as well as what I then saw, I can bear witness to the entire success of the system." He adds also: "Liquoring may be performed in pneumatic pans or figers, but there is some difficulty experienced in the operation, in consequence of obstruction, if it be urged very rapidly. When I was in Louisiana, Maerra. Benjamin & Packwood had tried unsuccessfully, to overcome the above mentioned difficulty of obstruction; they have since succeeded entirely, and their present crop has been manufactured, with Rillieux's Apparatus and pneumatic pans, into liquored sugar of perfect quality. Aspecimen of this sugar, presented to me by Messra. Merrick and Towne, has been analyzed by me, and found to be chemically pear. Its crystalline grain and snowy whiteness are also equal to those of the best double-refined sugar of our northern refiners. To Messra. Benjamin and Packwood must therefore be awarded the merit of having first made, directly from vegetable juice, sugar of absolute chemical prix, combined with perfection of crystal and color. This is indeed a proud triumph in the progress of the chemical arta, I am not aware of another instance in, which a perfect result is in like manched at a fam or aware of another instance in, which a perfect result is in like manched to verify the statement of the results of the Apparatus, of either of the mentods, I shall be most happy to be i enceasial, so that it may be adopted with entire security and certainty of results."

the plantation of Messra, Benjamia & Packwood, at their invitation, and carefully examined the Apparatus of M. Rillieux, constructed for them by Messra, Merrick and structed for the system." He adds also: "Liquoring may be performed in neumantic pass origon, the operation, in consequence of obstruction, if it be urged very rapidly. When I was in Louisians, Merra, Benjamia & Packwood, and their present crops has been manufactured, with Rillieur's Apparatus and posturative particular than the structure of the price of the sugar into the operation, the operation, in consequence of obstruction, it because the structure of the price of all the structure of the price of the p

Billienx, as to the precision of the quantity.

The terms for the Apparatus are so easy, that the most cautious planter need not hesitate in getting it. It is important that early application be made by those who want it for the next crop, to insure the execution of their order in time.

Your most obd't serv't,

W. E. Thompson,

the full idea of a crop taken this season by each method. To do this would require the correct information possessed only by the planters who have used each method. But to fulfil your wishes as far as I am able, I offer the following remarks accompanied by two tables—the first table, showing in the last column, the "Scarsdale" crop taken off by Mr. Theodore J. Packwood with a three pan "N. Rillienx Ameratus," as contrasted by Mr. Theodore J. Fackwood with a three pan "N. Rillieux Apparatus," as contrasted with the other methods therein shown. The second table will show you the results by four diffesent methods of taking off a crop of 800,000 pounds first sugar.

\$6.00 PER YEAR

There are now in Louisiana eight different methods used in making sugar, viz:—
1st—The Old Set of Kettles.
2d—Set of Kettles for Syrup, and Strike High Presure Stoam Pan.

High Pressure Steam Pan.
3d-Set of Kettles for Syrup, and Strike

3d—Set of Kettles for Syrup, and Strike Vacuum Pan.
4th—Open High Pressure Steam Pans for Syrup and Strike.
5th—Open High Pressure Steam Pans for Syrup and Strike Vacuum Pan.
6th—One Syrup and one Strike Vacuum Pan, Clariflers and Filters.
7th—"Desgrand's" Apparatus, Clariflers "Desgrand's" Apparatus, Clariflers and Filters.
Sti-N. Rillieux's Three and Four Pan Ap-

Sun-N. Raincux's Inrecand Four Pan Apparatus, Clariflers and Filters.

The first and second methods give very nearly the same Sugar and exactly the same quantity. Nearly the whole profit from a Steam Battery arises from the beiling of the Molasses. The different Strike High Pressure Pans give the same result, but the Worms are the best as they cost less, and are easier kert in return-same consumption of

Worms are the best as they cost less, and are easier kept in repair—same consumption of fuel, from three to four cords to the 1000 pounds Sugar.

3d Sugar made in Set of Kettles and finished in a Vacuum Pan of any description, when well made, is worth 34 @ 34 cent per pound more than when made by Kettles alone. The profit arising from a Strike Vacuum Pan pays back twice the ontay in one crop. There is no saving of fuel.

4th method—Sugar made altogether in open high pressure pans, is worth less by 14 @ 1/2 cent per pound than if made by the set of kettles, and the consumption of fuel is 15 to 25 per cent. greater.

5th method is interior to the set of kettles and strike vacuum pan, and the consumption

and strike vacuum pan, and the consumption of fuel from 15 to 25 per cent greater. 6th method gives as much, and as good, sugar as the next following, but consumes

from 8 to 31/2 cords of wood per 1000 pounds

sugar as the next following, but consumes from 3 to 31/4 cords of wood per 1000 pounds sugar.

7th method ought to give as much, and as good, sugar, as the following, but has not yet done so—ctansumes 15/6015/ cords of wood per 1000 pounds sugar.

8th method gives as much sugar as the before-mentioned 6th and 7th methods, and better sugar than all the other methods. The three pan apparatus consumes from 9-10ths to 1½ cords wood per 1000 pounds of sugar; the four pan apparatus, from ½ to ½ of a cord per 1000 pounds of sugar.

The 1st and 2d methods are in general use in Louisiana; the first table shows the result. The profit of a Steam battery arises from the boiling of the molasses.

The 3d method—the Vacuum Pan, is used as a Strike Pan on the following plantations; Messrs. Morgan's, Gordon's, Millaudon's, Judge Butler's, Colonel Keys', Urquhart's, Davenport's, Kitteredge's, P. Rillieux's, and Poydras's.

Messrs. Morgan and Gordon make syrup mould sugar. Messrs. Urquhart sold their unsyruped hind. Vacuum pan sugar at ½ cent per pound more than that made by their set of kettles. P. Rillieux sold his vacuum pan sugar in hids. at ½ cent per pound more than that made by their set of kettles. P. Rillieux sold his vacuum pan sugar in hids. at ½ cent per pound more than his kettle sugar.

The 4th method is used by Messrs. R. Wilkinson, and Forstall's, it is said, consumes 465 cords of wood per 1000 pounds of sugar; and the sugar is of lower quality than by a set of kettles. His apparatus, including the filters, cost \$12,000.

The 5th method is used on the plantations of Messre Gordon, Johnson and Cherood.

kettles. His apparatus, including the filters, cost \$12,000.

The 5th method is used on the plantations of Messrs. Gordon, Johnson, and Osgood, with filters. Mr. Gordon has given up his syrup high steam train, on account of the great consumption of fuel, and come back to the the 3d method with filters. Mr. Johnson has made his whole crop in syrup mould sugar, and sent it to New Orleans in hids. marked A. B. and C; soid at 7%, 6% and marked A, B, and C; sold at 7½, 6½, and 6½. Mr. Osgood has made unsyraped hid. sugar, which sold at from 5@6 cents, and

marked A, B, and C; sold as 72, 026, and 63% Mr. Osgood has made unsyraped hhd. sugar, which sold at from 566 ceuts, and molasses sugar, at 33% ceuts per pound. This apparatus consumed from 4 to 5 cords of wood per 1000 pounds of sugar.

The 6th method, used on the plantations of Mesers. Wilkinson, Morgan, and Janh. Mr. Wilkinson's works very well, and makes good syraped sugar—price unknown. His lind, sugar sold at 6 cents per pound. This gentleman thinks his apparatus consumes 3½ cords of wood per 1000 pounds of sugar; the apparatus 8000 lbs. bolng power. I am not informed if Mr. Morgan has used his two vacuum pans this season. He took off his crop in syrap mould sugar—price unknown. Mr. Janin has a splendid refinery; having no wood on his plantation, he uses altogether coal to take off his crop. I have no exact data, either of consumption of fuel or boiling power of his apparatus, but I think he must consume nearly as much as Mr. Wilkinson, which would require about 16 barrels of coal per 1000 pounds of sugar, at 5 barrels per cord of wood. As his apparatus worked this year, its boiling power is 25 to 50 per cent, greater than Mr. Wilkinson's.

The 7th method, Desgrand's apparatus, built by Mesers. Stillman, Allen & Co., at the Novelty Works, New York, is used on Messrs. Valcour Alme's, and Lapice's plantations. I do not believe the boiling power of these two apparatuses to be over 14,000 and 18,000 pounds of sugar in 24 hours; their apparatuses consumed 1½ and 1½ cords of wood per 1000 lbs. of sugar. Mr. Valcour Aime made syraped mould sugar and hhd. sugar. I am not informed of the price of sales of his sugar. Mr. Lapice's unde syruped tiger sugar, sent to New Orieans in hhdis, marked Nos. 1, 2, and 3, and soid at 7, 6, and 5 cents.

The 8th method, N. Rillienx's patent three

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in the saving of faci; and the yearly profit of 7 and 8—three and four pan apparatus—over method 6, will be only \$2,700, \$3,000, and \$4,633. And allowing that capital invested in apparatus ought to return 30 \$2 cent., those has apparatuses are worth \$15,500, \$18,000, and \$23,175 more than apparatus of the 6th method. Therefore, if a double pan apparatus of 16,000 has holling power is worth \$18,000, then, comparatively, a Desgrand of the same power, \$8,000, and a four pan sililieux apparatus of the same power, \$8,000, and a four pan sililieux of the same power, \$81,175.

If a Desgrand apparatus of that boiling power casts \$24,000, then the price of a double vacuum pan comes down to \$10,500, and Rillieux's three and four pan apparatus to \$28,500 and \$33,675.

If Rillieux's three pan apparatus costs \$18,000, then the double vacuum pan apparatus to \$28,500 and \$33,675.

If a 16,000 has boiling power of Rillieux's four pan apparatus \$22,175.

If a 16,000 has boiling power of Rillieux's four pan apparatus \$20,500, then the double vacuum pan apparatus sout \$20,500, then the double vacuum pan apparatus \$32,175.

Mr. Wilkinson's \$,000 h. boiling power double power vacuum pan apparatus has been built by that gentleman in adding part to part, but it would cost, if made now at once, and set up, \$12,000; it consumes \$1,000 hs. boiling power, costs, set up, \$10,000 hs. of sugar, of \$00 cords of wood, at \$2.35 \$2 cords \$2,005; say \$3,000, at \$0.25 \$2 cord.—then a \$0,000 h. three pan apparatus, of \$0,000 hs. of sugar, making a saving on a crop of \$0,000 hs. do sugar, and \$0.000 hs. for sugar, and \$0.000 hs. for sugar, and \$0.000 hs. for sugar, of \$0.000 hs. f

Respectfully yours, N. RILLIMUX.

MACHINERY in detail required to complete a full tise t Killianz Super Apparatus; Capacity, 17,000 the of Super in 24 hours, from Onne-juice of 10° density.

Killienz Saper Apperrainz Capacity, 17,000 fb. of
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Two 50 in, x 30 ft. boilers, each with two
17 in, fines.

Two sets of boiler fixtures, with Riffleux
Furnace, with one 4 in, valve for each
boiler, and connecting pipe between.

1,829 60
let, or Julce-pan, 54 in, diam, with
98 serves tubes.

33,800
led, or Syrup-pan, 54 in, diam, with
147 serves tubes.

3,150
led, or Strike-pan, 54 in, diam, with
58 serves tubes.

3,150
led, or Strike-pan, 54 in, diam, with
58 serves tubes.

100—11,500 00
2 Condensers and Recutacles.

100—11,500 00
3 line and in two condenses of the server
1 in 1 inus force pump, 2 x x 1 in stroke; with 2 brass air pumps, 19
x 15 in; 1 inus force pump, 2 x x 1 ins. 1 inus force pump, 2 x x 1 ins. 1 inus force pump, 3 \(\frac{1}{2} \) x \(\frac{1}{2} \) in, and left water reserved;

2 Bone-black Filters, 5 ft. diam, at cop x 10
ft. high, complete.

3 Serup Chariffers, 18 in. diam
2 Serup Chariffers, 18 in. diam
3 con fire bricks.

3 con 00
1 Melassou Hieroup, do,
2 Cars, with truck for suptying and filling
Filters.

Crane Bucket, and crane clasps for do.

155 00

Filters.
Crause Bucket, and crane clasps for do
2 Sprup Tanks, 10 x 5 x 5, complete
1 Molasses do
1 do do do
1 Cold Juine Tank, 4 x 4 x 4, complete
1 Swet-water do do do do
1 Strike Heater, 8 R. diam.
All the occks, valves and pipes for connection.

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